|  |  |
| --- | --- |
| matter | Anything that has mass and volume |
| mass | Amount of matter |
| weight | Force of gravity on an object |
| volume | Amount of space taken up by an object |
| atom | The smallest particle of an element that has the chemical properties of that element |
| molecule | A group of atoms bonded together so they move as a single unit |
| element | A substance that cannot be broken down into a simpler substance; consists of atoms of one type |
| compound | A substance made up of 2 or more different types of atoms bonded together |
| mixture | A combination of 2 or more substances that do not combine chemically; can be separated by physical means |
| states of matter | Different forms in which matter can exist (solid, liquid, gas) |
| solid | Matter that has definite shape and a definite volume |
| gas | Matter with no definite volume and not definite shape |
| liquid | Matter that has a definite volume but does not have a definite shape |